



SDMS DocID 2075231

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January 11, 2007

VIA FEDERAL EXPRESS

Harry R. Steinmetz (3HS62)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

**Re: Safety Light Corporation Site - Bloomsburg, Pennsylvania
Response of Northeastern University to Section 104(e) Information Request**

Dear Mr. Steinmetz:

As you know from our correspondence dated December 1, 2006 on behalf of Northeastern University ("Northeastern") requesting an extension of time to respond to the Section 104(e) Information Request, this firm represents Northeastern and is authorized to respond and provide the information contained herein on its behalf.

Northeastern University's Response to the Information Requested

1. Based on a review of available information and documents, Northeastern is not aware of ever having had any business relationship with Safety Light Corporation. Available records indicate that Northeastern may have purchased small quantities of Polonium 210 in the form of welded foils with one micron electroplated overcoating for use in some of its laboratories from U.S. Radium Corporation, Morristown, New Jersey. See Exhibit A, Report of Periodic Leak Test of Sealed Source dated January 30, 1963 indicating U.S. Radium Corp., Morristown, New Jersey as the supplier of the PO-210 source to Northeastern University. See also copy of U.S. Atomic Energy Commission Byproduct Material License No. 20-6432-2 (B63) dated February 10, 1961, and Amendments Nos. 3, 7 and 10 thereto, and AEC License No. 20-06432-05 dated August 27, 1973 which indicate U.S. Radium Corp. as the supplier and producer of the PO-210 welded foil sources purchased by Northeastern, (annexed as Exhibit B).

2. No.
3. Not applicable.
4. No.
5. Not applicable.

6. Northeastern University has conducted a diligent search of all available records and made inquiries of persons believed to potentially have information relevant to this request and the information and responsive documents are provided herein.

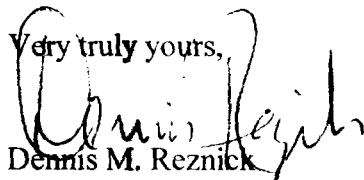
7. See answer to 6 above. Northeastern is not aware of any potentially relevant Northeastern documentation not in its possession, custody or control.

8. Northeastern has no information responsive to this request.

9. Northeastern has made a diligent search of its files and archives and has not located any additional responsive documents. Northeastern reviewed all available records at its offices relating to hazardous waste shipments, radioactive waste shipments, radioactive material purchases and archive records for PO-210 inventories, and general radiation safety records and documents relating to its Atomic Energy Commission License No. 20-6432-2 for the relevant time period and all available information was utilized in the responses herein. Northeastern's Office of Environmental Health & Safety was not established until the early 1970's, at which time record keeping on environmental health and safety matters became more formalized. Northeastern has a records retention policy for purchase orders that they be kept only for seven years. Thus, there are no available purchase orders or invoices confirming the purchase of PO-210 foils from U.S. Radium Corp. in New Jersey for use in its laboratories for experiments from the 1960's and 1970's that have been retained or located. Available records of hazardous/ radioactive waste shipments show no shipments to Safety Light Corporation in Bloomsburg, Pennsylvania or to any of the affiliated companies identified in the information request.

However, available documentation from 1973 does indicate that in January 1971 old radioactive sources were disposed of through a licensed and approved disposal contractor, ICN/Tracer Lab, located in Waltham, Massachusetts. Also, 1962 documentation indicates that PO-210 utilized by Northeastern in accordance with its AEC License No. 20-6432-2 (B63) Amendment No. 3 would be disposed of via Tracer Lab. ICN/Tracer Lab was the disposer for spent radioactive source materials used by Northeastern during the relevant time. The disposal in 1971 would have likely included the Polonium-210 sources purchased from U.S. Radium Corp. in the 1960's since PO-210 has a half life of approximately 138.4 days which means that after 10 half lives, or 1,384 days, which is approximately 3.8 years, the original activity of the source will decay to less than 0.1% of the original activity level.

Should you have any further questions or require any further information from Northeastern University, please contact the undersigned.

Very truly yours,

Dennis M. Reznick

cc: Lisa Sinclair, Esq. (Northeastern University)
Jack Price, Director of Environmental Health & Safety (Northeastern University)

This Copy is For Your Files BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below, and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Name Northeastern University
Physics Department
2. Address 360 Huntington Avenue
Boston 15, Massachusetts

3. License number 20-6432-2
(B63)
4. Expiration date February 28, 1963
5. Reference No.

6. Byproduct material
(element and mass number)

7. Chemical and/or physical form

8. Maximum amount of radioactivity
which licensee may possess at any
one time

A. Strontium 90

A. Sealed Source (Jordan
Electronics Model No.
EB-1010A)

A. 3 microcuries

9. Authorized use

A. Calibration sources in Jordan radiation detection instruments.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation".
12. Byproduct material shall be used by, or under the supervision of, Dr. Michael J. Glabman.
13. Byproduct material as sealed sources shall not be opened.
14. Each sealed source containing Strontium 90 shall be tested for leakage and/or contamination at intervals not to exceed 6 months, except that sealed sources designed as an alpha emitting source shall be tested at intervals not exceeding 3 months. In the absence of a certificate from a transferor indicating that a test has been made within 6 months prior to the transfer, the sealed source shall not be put into use until tested.

(see page 2)

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BYPRODUCT MATERIAL LICENSEPage 2 of 2 Pages

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Supplementary Sheet

Continued from page 1

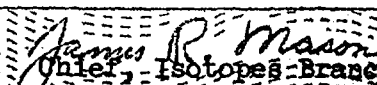
License Number 20-6432-2
(B63)

CONDITIONS

14. Continued

- B. The test shall be capable of detecting the presence of 0.005 microcurie of removable contamination on the test sample. The test sample shall be taken from the sealed source or from appropriate accessible surfaces of the device in which the sealed source is permanently or semipermanently mounted or stored. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcuries or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Director, Division of Licensing and Regulation, U.S. Atomic Energy Commission, Washington 25, D. C., describing the equipment involved, the test results and the corrective action taken. A copy of such report shall be sent to the manager of the nearest AEC operations office listed in Appendix D of Title 10, Code of Federal Regulations, Part 20.
- D. Tests for leakage and/or contamination shall be performed by persons specifically authorized by the Commission to perform such services.

For the U. S. Atomic Energy Commission

Date FEB 10 1961
by James R. Mason
Chief, Isotopes Branch
Division of Licensing and Regulation
Washington 25, D. C.

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Page 1 of 1 Pages

Supplementary Sheet

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License Number 20-6432-2

(B63)

AMENDMENT NO. 3

Northeastern University
360 Huntington Avenue
Boston 15, Massachusetts

Attention: Dr. Michael J. Glaubman
Dr. Ralph A. Troupe
Mr. Richard R. Stewart

In accordance with application dated October 13, 1961, License No. 20-6432-2 is amended as follows:

To Add:

- | | | |
|--|--|--|
| 6. Byproduct material
(element and mass number) | 7. Chemical and/or physical form | 8. Maximum amount of radio-activity which licensee may possess at any one time |
| J. Polonium 210 | J. U.S. Radium Corporation
welded foil with 1 micron
electroplated overcoating | J. 500 microcuries |

9. Authorized use

For an experiment on Rutherford Scattering.

OCT 31 1961

Date

For the U. S. Atomic Energy Commission



James R. Mays
by James R. Mays Branch

Division of Licensing and Regulation
Washington 25, D. C.

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated March 2, 1966	
1. Name	Northeastern University Physics Department 360 Huntington Avenue Boston, Mass. 02115	3. License number	20-06432-02 is amended in its entirety to read as follows:
2. Address		4. Expiration date	April 30, 1968
		5. Reference No.	
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioac- tivity which licensee may pos- sess at any one time	
A. Strontium 90	A. Sealed Source (Jordan Electronics Model No. 2B-1010A)	A. 3 microcuries	
(See page 2)	(See page 2)	(See page 2)	
9. Authorized use			
A. Calibration sources in Jordan radiation detection instruments.			
(See page 2)			

CONDITIONS

10. Unless otherwise specified, the authorized place of use in the licensee's address stated in Item 2 above:
11. **The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."**
12. **Byproduct material shall be used by, or under the supervision of, Dr. Harvin W. Gertner.**
13. **Sealed sources containing byproduct material shall not be opened.**

MATERIAL LICENSE

Supplementary Sheet

Continued From Page 1

License Number **20-06432-02**
(068)
Amend. No. 07

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity whi licensee may possess at any one time
B. Cobalt 60	B. Sealed Source (Fraser- lab, Inc. Model No. R-31)	B. 5 millicuries
C. Cobalt 60	C. Any	C. 10 millicuries
D. Cesium 137	D. Any	D. 10 millicuries
E. Cesium 134	E. Any	E. 10 millicuries
F. Cesium 139	F. Any	F. 10 millicuries
G. Bismuth 207	G. Any	G. 10 millicuries
H. Antimony 124	H. Any	H. 10 millicuries
I. Bismuth 210	I. Any	I. 10 millicuries
J. Polonium 210	J. U.S. Radium Corporation welded foil with 1 micron electroplated overcoating.	J. 500 microcuries

Total C.-I, not
to exceed 1 millicur
per source and a tot
of 10 millicuries.

- D. Authorized use.
E. To be used as a calibration source.
F. through I. Nuclear spectroscopy studies.
J. For an experiment on Rutherford Scattering.

CONDITIONS

14. A.(1) Each sealed source containing byproduct material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, the sealed source shall not be put into use until tested.

BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number 20-06432-
(1966)

Amend. No. 07

- A. (2) Notwithstanding the periodic leak test required by the preceding paragraph, any licensed sealed source containing byproduct material is exempted from periodic leak tests provided the quantity of byproduct material contained in the source does not exceed ten times the quantity specified for the byproduct material in Column II, Schedule A, Section 31.100, 10 CFR 31.
- A. (3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
3. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C., 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall also be sent to the Director, Region I, Division of Compliance, USAEC, 376 Hudson Street, New York, New York, 10014.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
15. The licensee shall not use byproduct material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE
Supplementary SheetLicense Number 20-06432-
Amend. No. (468)

15. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated March 2, 1966 and Licensee's Manual of Radiological Safety dated August 1966.

For the U. S. Atomic Energy Commission

Date APR 6 1966by Isotopes Branch
Division of Materials Licensing
Washington, D. C. 20545

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. Northeastern University Physics Department</p> <p>2. 360 Huntington Avenue Boston, Massachusetts 02115</p>		<p>In accordance with application dated March 20, 1968</p> <p>3. License number 20-06432-02 is amended in its entirety to read as follows:</p> <p>4. Expiration date April 30, 1973</p> <p>5. Reference No.</p>	
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioac- tivity which licensee may possess at any one time	
A. Selenium 90	A. Sealed Source (Jordan Electronics Model No. JB-1010A)	A. 3 microcuries	
B. Cobalt 60	B. Sealed Source (Tracerlab, Inc. Model No. A-31)	B. 5 millicuries	
C. Cobalt 60	C. Any	C. 10 millicuries	
D. Cesium 137	D. Any	D. 10 millicuries	
E. Cesium 134	E. Any	E. 10 millicuries	
F. Cesium 139	F. Any	F. 10 millicuries	
G. Bismuth 207	G. Any	G. 10 millicuries	
H. Antimony 124	H. Any	H. 10 millicuries	
I. Radium 82	I. Any	I. 10 millicuries	
J. Polonium 210	J. U.S. Radium Corp. welded foil with 1 micron electro- plated overcoating	J. 500 microcuries	
K. Americium 241	K. Electrodeposited on platinum foil (Ortec Model 54M-DJ)	Total C. through I. not to exceed 1 millicurie per source and a total of 10 millicuries	
L. Americium 241	L. Any	K. 0.3 microcuries L. 1 millicurie	

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE
Supplementary SheetLicense Number 20-36432-0

Amendment No. 10

9. Authorized use

- A. Calibration sources in Jordan radiation detection instruments.
- B. To be used as a calibration source.
- C. through I. Nuclear spectroscopy studies.
- J. For an experiment on Rutherford Scattering.
- K. Calibration of instruments.
- L. Laboratory experimental studies.

CONDITIONS

- 10. Byproduct material may only be used at the licensee's address stated in Item 2 above.
- 11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."
- 12. Byproduct material shall be used by, or under the supervision of, Dr. Marvin W. Gettner or Dr. Bernard Gottschalk.
- 13. Sealed sources containing byproduct material shall not be opened.
- 14.
 - (1) Each sealed source containing byproduct material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, the sealed source shall not be put into use until tested.
 - (2) Notwithstanding the periodic leak test required by the preceding paragraph, any licensed sealed source containing byproduct material is exempted from periodic leak tests provided the quantity of byproduct material contained in the source does not exceed ten times the quantity specified for the byproduct material in Column II, Schedule A, Section 31.100, 10 CFR 31.
 - (3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources exempted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number 20-06432-

Amendment No. 10

CONDITIONS

14. Continued

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C., 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall also be sent to the Director, Region I, Division of Compliance, USAEC, 970 Broad Street, Newark, New Jersey, 07102.

D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an agreement State to perform such services.

15. The licensee shall not use byproduct material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.

16. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in applications dated March 2, 1966 and August 22, 1967 and licensee's Manual of Radiological Safety, dated August 1960.

Date APR 26 1968

For the U. S. Atomic Energy Commission
Original Signed by
John E. Bowyer

by Isotopes Branch
Division of Materials Licensing
Washington, D. C. 20545

This Certificate is for the

BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now, or hereafter in effect and to any conditions specified below.

Licensee

1. **Northeastern University**
Physics Department

2. **360 Huntington Avenue**
Boston, Massachusetts 02115

3. License number 20-06432-05

4. Expiration date August 31, 1978

5. Reference No. 20-06432-02

6. Byproduct material
(element and mass number)

7. Chemical and/or physical
form

8. Maximum amount of radioac-
tivity which licensee may
possess at any one time

A. Strontium 90
B. Cobalt 60
C. Cesium 137
D. Cesium 134
E. Cadmium 109
F. Bismuth 207
G. Antimony 124
H. Bromine 82
I. Polonium 210

A. Sealed source
B. Sealed source
C. Sealed source
D. Sealed source
E. Sealed source
F. Sealed source
G. Sealed source
H. Sealed source
I. U. S. Radium Corp.
welded foil with
1 micron electroplated
overcoating

A. 100 microcuries
B. 100 microcuries
C. 100 microcuries
D. 100 microcuries
E. 100 microcuries
F. 100 microcuries
G. 100 microcuries
H. 100 microcuries
I. 500 microcuries

J. Americium 241

J. Electrodeposited on
platinum foil

J. 0.3 microcurie

K. Americium 241

K. Any

K. 1 millicurie

9. Authorized use

A. Spark chamber testing.
B. Through H. Nuclear spectroscopy studies.
C. Rutherford scattering experiment.
J. Calibration of instruments.
K. Laboratory experimental studies.

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number 20-06432-05

CONDITIONS

10. Byproduct material shall be used only at the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation."
12. Byproduct material shall be used by, or under the supervision of, Dr. Marvin W. Gartner or Dr. Bernard Gottschalk.
13. Sealed sources containing byproduct material shall not be opened.
14. A(1) Each sealed source containing byproduct material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, the sealed source shall not be put into use until tested.
(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
(3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
B. The test shall be capable of detecting the presence of 0.005 microcurie radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the licensee.

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Page ____ of ____ Pages

Supplementary Sheet

License Number 20-06432-05

CONDITIONS

14. continued

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Directorate of Licensing, U. S. Atomic Energy Commission, Washington, D. C. 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall also be sent to Region I, Directorate of Regulatory Operations, 631 Park Avenue, King of Prussia, Pennsylvania 19406.

D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

15. The licensee shall not use byproduct material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.

16. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application received July 5, 1973, and licensee's Radiological Health Manual, dated June 1971.

For the U. S. Atomic Energy Commission

John B. Browne
Materials Branch

by

Directorate of Licensing
Washington, D. C. 20545

Date

AUG 27 1973

"Copy"

REPORT OF PERIODIC LEAK TEST OF SEALED SOURCE

1. Source owned by Northeastern University Physics Department
360 Huntington Avenue
Boston, Mass.
2. A.E.C. License No. 20-6432-2 (B63) Amend #3
3. Supplier of source U. S. Radium Corp, Morristown, N. J.
4. Model number Design Lab 456-2
5. Isotope PO-210 Quantity 150 uc Serial No.
6. Type of smear test taken LT-2 Smear of inside of glass shipping bottle
7. Date smear taken 28 January 1963
8. Results 0 microcuries (2600 CPM = 0.005 uc contamination)
9. Disposition of source

Signed

E. Viner
Source Department
Tracerlab, Inc.

Date

January 30, 1963

Phone:

Edwards Angell Palmer & Dodge, LLP
Benton Tara H.
51 John F. Kennedy Parkway
Short Hill, NJ 07078

55511

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1 Of: 1

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(212) 868-4480

Version: 3.00

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Philadelphia, PA 19103

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Sender's Name: Dennis Reznick

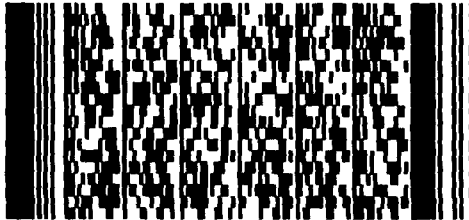
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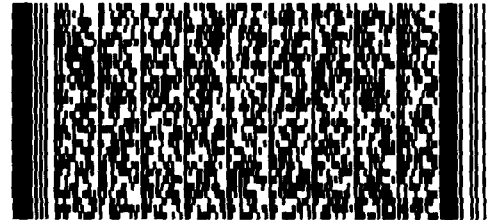
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FZ

TO: HARRY STEINMETZ (3HS62)
USEPA, REGION III
1650 ARCH STREET
PHILADELPHIA, PA 19103

9301 3939 2720 **FedEx**

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